

**Zebrafish pou5f1 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21581c****Specification**

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**Zebrafish pou5f1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q90270</a>
Reactivity	Zebrafish
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	51505
Antigen Region	141-177

**Zebrafish pou5f1 Antibody (Center) - Additional Information****Gene ID** 30333**Other Names**

POU domain, class 5, transcription factor 1, POU domain protein 2, pou5f1, gp-9, pou-2, pou2

**Target/Specificity**

This Zebrafish pou5f1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 141-177 amino acids from the Central region of Zebrafish pou5f1.

**Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Zebrafish pou5f1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**Zebrafish pou5f1 Antibody (Center) - Protein Information****Name** pou5f1**Synonyms** gp-9, pou-2, pou2

**Function** Involved in early development of embryos, especially in the process of gastrulation. May play an important role in establishing and specifying rhombomeric segments. Seems to be required to maintain the cells in a highly undifferentiated state. In contrast to POU2, T-POU2 lacks DNA-binding activity because of its incomplete pou domain structure. Overexpression of POU2 does not have any effect on development, whereas overexpression of t-POU2 causes developmental retardation or arrest before gastrulation.

#### **Cellular Location**

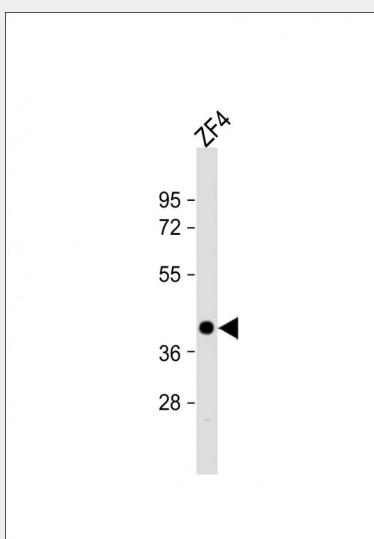
Nucleus.

### **Zebrafish pou5f1 Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Zebrafish pou5f1 Antibody (Center) - Images**



Anti-pou5f1 Antibody (Center) at 1:2000 dilution + ZF4 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDa. Blocking/Dilution buffer: 5% NFD/MTBST.

### **Zebrafish pou5f1 Antibody (Center) - Background**

Involved in early development of embryos, especially in the process of gastrulation. May play an important role in establishing and specifying rhombomeric segments. Seems to be required to maintain the cells in a highly undifferentiated state. In contrast to POU2, T-POU2 lacks DNA-binding activity because of its incomplete pou domain structure. Overexpression of POU2 does not have any effect on development, whereas overexpression of t-POU2 causes developmental retardation or arrest before gastrulation.

### **Zebrafish pou5f1 Antibody (Center) - References**

Takeda H., et al. Genes Dev. 8:45-59(1994).

Hauptmann G., et al. Mech. Dev. 51:127-138(1995).